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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/598,269

08/23/2006

Pang Guan Lim

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PHILIPS INTELLECTUAL PROPERTY & STANDARDS

P.O. BOX 3001

BRIARCLIFF MANOR, NY 10510

EXAMINER

BROOKS, JERRY L.

ART UNIT

PAPER NUMBER

4126

MAIL DATE

DELIVERY MODE

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/598,269	<b>Applicant(s)</b> LIM ET AL.	
	<b>Examiner</b> JERRY BROOKS	<b>Art Unit</b> 4126	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 23 August 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 August 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>03/21/2007</u> .  | 6) <input type="checkbox"/> Other: _____                          |

### DETAILED ACTION

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 2, 5, and 9-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Nakamura et al. (2002/0063816 A1) herein after referred to as “Nakamura.”

3. With respect to claim 1, Nakamura discloses a display device (0058 and 0059) including: a display (fig.10, 23; fig.6, 5: see 0058, 12 ) for presenting images, the display (23) including illuminating means (fig.6,12) for generating first radiation for illuminating pixel imaging means (fig.6, 5), said imaging means being operable to selectively transmit or reflect the first radiation to provide second radiation for generating the images (LCD: see paragraph 0058), the illuminating means (fig.6,12; 0059) being additionally operable to generate subsidiary radiation; and filtering means (fig.9,13, 14, 15) for filtering the subsidiary radiation to generate aura radiation (fig.10) to supplement the images presented on the display.

4. With respect to claim 2, Nakamura discloses a display according to Claim 1, the filtering means being adapted to generate the aura radiation (fig.9,13, 14, 15) for transmission to one or more of: a peripheral region to the display (0076), and a surface (fig.10: 23) of or within the display device for projecting the aura radiation (see fig. 10).

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5. With respect to claim 5, Nakamura discloses a display according to Claim 1, the filtering means (fig.9, 13, 14, and 15) being manually adjustable by the viewer (0070: fig.9 (a) and (b)).

6. With respect to claim 9, Nakamura discloses a display according to Claim 1, the subsidiary radiation (fig.6, 12; 0059) corresponding to normally wasted lateral radiation emitted from the illuminating means.

7. With respect to claim 10, Nakamura discloses a display according to Claim 1, the imaging means being implemented in at least one of a liquid crystal display (LCD: see paragraph 0058), and an electronic ink display.

8. With respect to claim 11, Nakamura discloses a device according to claim 1, the filtering means (13) being adapted for controlling a direction of the aura radiation.

9. With respect to claim 12, Nakamura discloses a method of presenting images on a display of a display device (fig.10, 23; fig.6, 5: see 0058, 12), the method including the steps of: generating first radiation from illuminating means (fig.6,12) for illuminating pixel imaging means (fig.6, 5); selectively transmitting or reflecting the first radiation to generate second radiation for providing the images for presentation to the viewer (LCD: see paragraph 0058); and generating subsidiary radiation at the illuminating means (fig.6,12; 0059), and filtering (fig.9,13) the subsidiary radiation to generate aura radiation to supplement the images presented on the display.

***Claim Rejections - 35 USC § 103***

10. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

11. Claims 3, 4, 6 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nakamura et al. (2002/0063816 A1) herein after referred to as "Nakamura" in view of Knox (2002/0050975) herein after referred to as "Knox."

12. With respect to claim 3, Nakamura discloses a device according to claim 1, but Nakamura does not disclose the filtering means including at least one of a prismatic or diffraction device for filtering the subsidiary radiation to generate the aura radiation.

13. Knox discloses (0009) a display device (fig. 3) with filter means for subsidiary radiation (006, last sentence); the filtering means (fig.7, 704) including at least one of a prismatic (fig.7, 704) or diffraction device for filtering the subsidiary radiation to generate the aura radiation (006, last sentence, also see 0031). Knox also teaches that the filtering means improves the intensity of the lighting device and the color of lighting (paragraph 005). It would have been obvious to one of ordinary skill in the art at the time of invention to modify the device of Nakamura with the filter of Knox to improve the intensity and color of the aura radiation (paragraph 005).

14. With respect to claim 4, Nakamura in view of Knox discloses a device according to claim 1, the filtering means including color filters (fig.7, 704) for selecting a portion of the subsidiary radiation at preferred wavelengths for generating the aura radiation.

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15. With respect to claim 6, Nakamura in view of Knox discloses a device according to Claim 1, the filtering means being adjustable by actuating means coupled thereto (0031, sentence 5).

16. With respect to claim 8, Nakamura in view of Knox discloses a device according to claim 1, the filtering means being adjustable by way of one or more of: tilting, lateral translation and scrolling motions for selecting a color of subsidiary radiation transmission there through (0010).

17. Claim 7 rejected under 35 U.S.C. 103(a) as being unpatentable over Nakamura in view of Knox as applied to claim 6 above, and further in view of Wang (US 2004/0135975) herein after referred to as "Wang."

18. With respect to claim 7, Nakamura in view of Knox discloses claim 6 as discussed above, but does not disclose an adjustment of the actuating means being dependent on characteristics of program content presented on the imaging means.

19. Wang discloses a display device (fig. 4) the adjustment of the actuating means (fig.4, 31) being dependent on characteristics of program content presented on the imaging means (paragraph 0022). Wang also teaches that the filtering means improves brightness efficiency (paragraph 0022, third and fourth sentences). It would have been obvious to one of ordinary skill in the art at the time of invention to modify the device of Nakamura in view of Knox with the filter of Wang to improve brightness efficiency (paragraph 0022, third and fourth sentences).

***Inquiry***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JERRY BROOKS whose telephone number is (571)270-5711. The examiner can normally be reached on Monday-Thursday: 10 a.m.-5 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tu Nguyen can be reached on (571)272-2424. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/JERRY BROOKS/  
Examiner, Art Unit 4126

/Thuy Vinh Tran/  
Supervisory Patent Examiner, Art Unit 4126  
05/08/09